

CLAIMS

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1. Mobile communication system, comprising runs of loss cable disposed in succession along a zone of radio coverage and feeder means for feeding the cable runs from base stations of at least one cellular mobile communication network, wherein the feeder means have means for applying
5 first radio frequency signals from a first base station of the cellular mobile communication network to a first cable run, and means for applying second radio frequency signals from a second base station of the cellular mobile communication network to a second cable run which is adjacent to the first run,
10 and wherein the feeder means further have means for applying at least part of the second radio frequency signals to the first cable run.
 2. System as claimed in claim 1, wherein said part of the second radio frequency signals is applied to the first cable run with a given attenuation relative to the first radio frequency signals as applied to the first cable run.
 - 15 3. System as claimed in claim 1, wherein the feeder means further have means for applying at least part of the first radio frequency signals to the second cable run with a given attenuation relative to the second radio frequency signals as applied to the second cable run.
 4. System as claimed in claim 1, wherein all the second radio
20 frequency signals are applied to the first cable run.
 5. System as claimed claim 1, wherein the part of the second radio frequency signals applied to the first cable run is limited to a frequency carrying a beacon signal from the second base station.
 6. System as claimed in claim 1, wherein the feeder means are set up
25 to apply the radio frequency signals from at least one of the first and second base stations to several adjacent cable runs.
 7. System as claimed in claim 1, further having collection means to collect radio signals picked up by the runs of loss cable, wherein the collection

means have means for applying third radio frequency signals from the first cable run to the first base station and means for applying at least part of the third radio frequency signals to the second base station.

8. System as claimed in any one of the preceding claim 1, wherein the runs of loss cable extend through tunnels and wherein the feeder means are positioned outside the tunnels.

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